



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 182283

TO: Minh-Tam Davis
Location: REM/3A24/3C18
Art Unit: 1642
Friday, March 17, 2006
Case Serial Number: 09/976858

From: Barb O'Bryen
Location: Biotech-Chem Library
Remsen 1a69
Phone: 571-272-2518 *BOB*

barbara.obryen@uspto.gov

Search Notes

RUSH

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STIC-Biotech/ChemLib

189983

From: Chan, Christina
Sent: Wednesday, March 15, 2006 2:28 PM
To: Davis, Minh-Tam; STIC-Biotech/ChemLib
Subject: RE: Rush search request for 09/976858

Please rush. Thanks Chris

Chris Chan
TC 1600 New Hire Training Coordinator and SPE 1644
(571)-272-0841
Remsen, 3E89

-----Original Message-----

From: Davis, Minh-Tam
Sent: Wednesday, March 15, 2006 12:23 PM
To: Chan, Christina
Subject: Rush search request for 09/976858

Please search SEQ ID NO:41 of 09/976858 against the known PSA sequence, Acc No X05332, and M27274 (taken from US 6,551,778 B1).

Thank you.
MINH TAM DAVIS
ART UNIT 1642, ROOM 3A24,MB 3C18
272-0830

(STIC)

MAR 15 2006

RECEIVED

Searcher: _____
Searcher Phone: _____
Date Searcher Picked up: _____
Date completed: 3-17
Searcher Prep Time: _____
Online Time: _____

Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

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RESULT 2	HUMPSAA				PRI 08-JAN-1995
LOCUS	HUMPSAA	7130 bp	DNA	linear	
DEFINITION	Human prostate specific antigen gene, complete cds.				
ACCESSION	X67274				
VERSION	M27274.1 GI:190552				
KEYWORDS	Alu repeat; Kallikrein; prostate-specific antigen.				
SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;				
	Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.				
REFERENCE	1 (bases 1 to 7130)				

AUTHORS Lundwall, A.
 TITLE Characterization of the gene for prostate-specific antigen, a human
 glandular kallikrein
 JOURNAL Biochem. Biophys. Res. Commun. 161 (3), 1151-1159 (1989)
 MEDLINE 89302090
 PUBMED 2472789

COMMENT Original source text: Human peripheral leukocyte DNA, (library of
 R.Wydrö), clones lambda-PSA, [24A,25A,25B].
 Draft entry and computer-readable sequence for [1] kindly submitted
 by A.Lundwall, 03-NOV-1989.

FEATURES
 source location/Qualifiers

1..7130
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 /db_xref="taxon:9606"
 /map="19q13.3"
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 /bound_molecly="Spt"
 TATA_signal 605..611
 634..6491
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 cds join(675..720,1959..2118,3756..4042,4186..4322,5699..5854)
 /note="prostate specific antigen"
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 EPEEFLTPKLCQVDLHVISNDVCAQVHPQKVTKMLCAGRWGKSTCSGDSGGLV
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 675..720
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 /note="PSA intron A"
 exon 1959..2118
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 intron 2119..3755
 /note="PSA intron B"
 repeat_region 2583..2935
 /note="Alu repeat"
 exon 3756..4042
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 intron 4043..4185
 /note="PSA intron C"
 exon 4186..4322
 /number=4
 intron 4323..5698
 /note="PSA intron D"
 exon 5699..5854
 /note="prostate specific antigen"
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Query Match 0.6%; Score 22.2; DB 1; Length 7130;
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 Matches 39; Conservative 0; Mismatches 28; Indels 0; Gaps 0;

QY 2837 GCTGTTGCGCTCGTGTGATGCATGTGCGCATGTTGTCAATCATGTTGCGCTTTG 2896
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 DB 2272 GCTGACCACTCTCCCATGCTGCTGCTGCTCATCTGTCTCTATGCTCTTTG 2331
 |||||
 QY 2897 GGTCCCT 2903
 |||||
 DB 2332 TGTGCT 2338

RESULT 3
 HSPSAR 1466 bp mRNA linear PRI 03-JUN-2003
 LOCUS Human mRNA for prostate specific antigen.
 DEFINITION
 X05332.1
 ACCESSION
 X05332.1 GI:35740
 VERSION
 X05332.1
 KEYWORDS
 kallikrein-like protein; prostate specific antigen; signal
 peptide.
 SOURCE
 ORGANISM
 Homo sapiens (human)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE
 1 (bases 1 to 1415)
 Lundwall, A. and Lilja, H.
 Molecular cloning of human prostate specific antigen cDNA
 FEBS Lett. 214 (2), 317-322 (1987)
 MEDLINE 87190978
 PUBMED 2436946
 2 (bases 1 to 1466)
 Lundwall, A.
 Direct Submission
 Submitted (07-NOV-1989)
 JOURNAL
 COMMENT
 Data kindly reviewed (01-DEC-1987) by Lundwall A.
 FEATURES
 source location/Qualifiers

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 /db_xref="taxon:9606"
 /clone="lambda HpsA-1"
 /tissue_type="prostate"
 /clone_11b="(lambda)gt11"
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 44..829
 /note="unamed protein product; precursor polypeptide (AA
 -17 to 244)"
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 44..94
 /note="signal peptide (AA -17 to -1)"
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 /product="mature prostate specific antigen"
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 1445..1450
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 1466
 /note="polyA site"

Query Match 0.5%; Score 19.2; DB 1; Length 1466;
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QY 43 GACGGAACCTCTGCTACGCGGTCTTCTGAGGCTCAATCCTTGTAAATTGAC 102
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 DB 976 GACGAGATGTTCTTAATGATGTAATTGTCCTCTGTGCTCGGGAATACGCG 1035
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 QY 103 CATTAACGAGA 114
 |||||
 DB 1036 CATGCTGAGA 1047

RESULT 4
 HSPSAR 1466 bp mRNA linear PRI 03-JUN-2003
 LOCUS Human mRNA for prostate specific antigen.
 DEFINITION

ACCESSION X05332.1 *Complement*
 VERSION X05332.1 GI:35740
 KEYWORDS antigen; kallikrein-like protein; prostate specific antigen; signal peptide.

SOURCE
 ORGANISM Homo sapiens (human)

REFERENCE
 AUTHORS Mammalia; Eutheria; Chordata; Craniata; Vertebrata; Euteleostomi; Eukaryota; Metazoa; Primates; Catarrhini; Homiidae; Homo.
 TITLE 1 (bases 1 to 1415)
 JOURNAL Lundwall, A. and Lilja, H.
 MEDLINE Molecular cloning of human prostate specific antigen cDNA
 PUBMED FEBS Lett. 214 (2), 317-322 (1987)
 87190978
 2436946

REFERENCE
 AUTHORS 2 (bases 1 to 1466)
 TITLE Lundwall, A.
 JOURNAL Direct Submission
 COMMENT Submitted (07-NOV-1989)
 FEATURES Data kindly reviewed (01-DEC-1987) by Lundwall A.

FEATURES
 source
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 location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="lambda HPSA-1"
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 44..829
 /note="unnamed protein product; precursor polypeptide (AA -17 to 244) "
 /codon_start=1
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 /db_xref="GOA:P07288"
 /db_xref="UniProt/Swiss-Prot:P07288"
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 44..94
 /note="signal peptide (AA -17 to -1) "
 116..826
 /note="mature prostate specific antigen"
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 95..115
 /note="propeptide (AA 1-7) "
 1445..1450
 /note="put. polyA signal"
 1466
 /note="polyA site"

mRNA
 CDS

sig_peptide
 mac_peptide
 misc_feature
 misc_feature
 polyA_site

Query Match 0.4%; Score 17.2; DB 1; Length 1466;
 Best Local Similarity 65.8%; Pred. No. 0;
 Matches 25; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 1142 TCAGCATCCGAAGATCCAGACCTTTTGCTACTTGAT 1179
 |||||
 DB 1368 TCAGCTTCAGGGGGTCCAGTCCCTCTCTACTTCAT 1331
 |||||

Search completed: March 17, 2006, 12:19:07
 Job time : 10 secs

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